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--Once the bottom sole 149 is attached, the removable midsole section 145 may then be inserted into the interior cavity of the upper 21 and affixed to the top side of the bottom sole 149, as shown in Fig. 75C. The midsole section 145 can be releasably secured in place by any suitable method including mechanical fasteners 301, adhesives 302, snap-fit arrangements 303, reclosable compartments, interlocking geometry's 176, 177, and other similar structures. To provide interlocking geometries, the removable midsole section 145 preferably includes protrusions 176 placed in an abutting relationship with the bottom sole 149 so that the protrusions 176 occupy corresponding recesses 177 in the bottom sole 149.

Page 60, before line 22, insert the following new paragraph:

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--Fig. 11Q is schematic representation of various means for releasably securing the removable midsole section 145 of the present invention to the bottom sole 149. More specifically, Fig. 11Q shows the alternatives of releasably securing the removable midsole section 145 to the bottom sole 149 via mechanical fasteners 301, or adhesive 302, or snap fit 303 or combinations thereof.

IN THE CLAIMS:

Please cancel claims 1-10 without prejudice to resubmission. Please add new claims 11-44 set forth below.

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--11. (New) A non-orthotic inner shoe which comprises:

a removable midsole section forming a part of a sole of said inner shoe and sized to fit inside and form part of the sole of an outer shoe designed to receive and retain said inner shoe;

a secondary outer sole on at least a portion of the outer surface of the removable midsole section to form part of said inner shoe sole and provide traction or wear resistance when said inner shoe is worn without the outer shoe;

a device associated with the removable midsole section for retaining the inner shoe on an intended wearer's foot when worn without the outer shoe; and

wherein said inner shoe is removable from said outer shoe in order to wear said inner shoe independently of said outer shoe.


12. (New) The inner shoe as claimed in claim 11, further comprising at least one computer controlled compartment, wherein the computer control for the computer controlled compartment is located in said inner shoe.

13. (New) The inner shoe as claimed in claim 12, wherein the computer control is located in an upper portion of the removable midsole section.

14. (New) The inner shoe as claimed in claim 11, wherein at least one portion of an outer surface of a side of the removable midsole section is concavely rounded relative to an inner section of the removable midsole section adjacent to the concavely

rounded outer surface portion, as viewed in a frontal plane cross-section when the removable midsole section is upright and in an unloaded condition.

15. (New) The inner shoe as claimed in claim 14, wherein at least one portion of an inner surface of a side of the removable midsole section is convexly rounded relative to a section of the removable midsole section adjacent to the convexly rounded inner surface portion, as viewed in a frontal plane cross-section when the removable midsole section is upright and in an unloaded condition.

 16. (New) The inner shoe as claimed in claim 15, wherein each at least one convexly rounded inner surface portion and each at least one concavely rounded outer surface portion is located at a corresponding location on the removable midsole section to thereby form at least one concavely rounded side portion of the removable midsole section located between said convexly rounded inner surface portion and the concavely rounded outer surface portion, as viewed in a frontal plane cross-section when the removable midsole section is upright and in an unloaded condition, said concavity of each said concavely rounded side portion being determined relative to a portion of the removable midsole section which is adapted to receive the foot of an intended wearer; and

said at least one concavely rounded side portion is located at a location on the removable midsole section which corresponds to the position of at least one of the

following parts of an intended wearer's foot when inside the removable midsole section:

a base of a calcaneus, a lateral tuberosity of the calcaneus, a head of a first distal phalange, a longitudinal arch, a head of a first metatarsal, a head of a fifth metatarsal, and a base of the fifth metatarsal.

17. (New) The inner shoe as claimed in claim 16, wherein a thickness of the removable midsole section tapers from a greater thickness measured at said at least one concavely rounded side portion to a lesser thickness at a location on one side of said concavely rounded side portion, as viewed in a horizontal plane when the removable midsole section is upright and in an unloaded condition.

18. (New) The inner shoe as claimed in claim 17, wherein said thickness of the removable midsole section tapers to a lesser thickness on both sides of said concavely rounded side portion, as viewed in a horizontal plane when the non-orthotic inner shoe is upright and in an unloaded condition.

19. (New) The inner shoe as claimed in claim 16, comprising at least two concavely rounded side portions and an indentation located between said two concavely rounded side portions, as viewed in a horizontal plane when the removable midsole section is upright and in an unloaded condition.

20. (New) The inner shoe as claimed in claim 17, wherein each said concavely rounded side portion further comprises a concavely rounded portion of the outer surface of the removable midsole section, as viewed in a horizontal plane when the removable midsole section is upright and in an unloaded condition, said concavity of the concavely rounded portion of the outer surface being determined relative to an inner section of the removable midsole section directly adjacent to the concavely rounded outer surface portion.

21. (New) The inner shoe as claimed in claim 11, further comprising an insole.

22. (New) The inner shoe as claimed in claim 11, wherein said device is an inner shoe upper.

23. (New) An outer shoe comprising:
an outer shoe upper and an outer shoe sole including at least a bottom sole;
at least a portion of said outer shoe sole being formed by an inner shoe as claimed in claim 11 when said inner shoe is inserted into said outer shoe;
at least a portion of the side of said outer shoe upper being attached directly to the bottom sole such that the outer shoe upper abuts at least a portion of the outer surface of the inner shoe when said inner shoe is inserted into the outer shoe; and

wherein said inner shoe is removable from the outer shoe and insertable into said outer shoe through an opening in the outer shoe upper provided for entry and exit of an intended wearer's foot into and out of said outer shoe.

24. (New) An outer shoe as claimed in claim 23, wherein said inner shoe is releasably secured to said outer shoe by a releasable securing structure selected from the group consisting of mechanical fasteners, a snap fit, interlocking geometries and combinations thereof.

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25. (New) A non-orthotic removable midsole section sized to fit inside a shoe and form part of the shoe designed to receive and retain said removable midsole section, which comprises:

an inner surface and an outer surface which together define the removable midsole section having a lateral side, a medial side and a middle portion located between the lateral and medial sides;

a plurality of protrusions on at least one side of said removable midsole section that interact with the shoe to retain said removable midsole section in said shoe;

at least one portion of the outer surface of each said protrusion is concavely rounded relative to an inner section of the removable midsole section adjacent to the concavely rounded outer surface portion, as viewed in a frontal plane cross-section when the removable midsole section is upright and in an unloaded condition;

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at least one portion of an inner surface of a side of the removable midsole section is convexly rounded relative to a section of the removable midsole section directly adjacent to the convexly rounded inner surface portion, as viewed in a frontal plane cross-section when the removable midsole section is upright and in an unloaded condition; and

wherein said removable midsole section is removable from said shoe.

26. (New) The removable midsole section as claimed in claim 25, wherein said at least one said protrusion is located on the lateral side of the removable midsole section and another of said protrusions is located on the medial side of the removable midsole section.

27. (New) The removable midsole section as claimed in claim 25, wherein each at least one convexly rounded inner surface portion and each at least one concavely rounded outer surface portion is located at a corresponding location on the removable midsole section to thereby form at least one of said protrusions.

28. (New) The removable midsole section as claimed in claim 27, wherein each said protrusion is located at a location on the removable midsole section which corresponds to the position of at least one of the following parts of an intended wearer's foot when inside the removable midsole section: a base of a calcaneus, a lateral

tuberosity of the calcaneus, a head of a first distal phalange, a longitudinal arch, a head of a first metatarsal, a head of a fifth metatarsal, and a base of the fifth metatarsal.

29. (New) The removable midsole section as claimed in claim 28, wherein a thickness of the removable midsole section tapers from a greater thickness measured at each said protrusion to a lesser thickness at a location on one side of each said protrusion, as viewed in a horizontal plane when the removable midsole section is upright and in an unloaded condition.

30. (New) The removable midsole section as claimed in claim 29, wherein the thickness of the removable midsole section tapers to a lesser thickness on both sides of each said protrusion, as viewed in a horizontal plane when the removable midsole section is upright and in an unloaded condition.

31. (New) The removable midsole section as claimed in claim 27, further comprising an indentation located between said two protrusions, as viewed in a horizontal plane when the removable midsole section is upright and in an unloaded condition.

32. (New) An outer shoe comprising:
an outer shoe upper and an outer shoe sole including at least a bottom sole;

at least a portion of said outer shoe sole being formed by a removable midsole section as claimed in claim 25;

at least a portion of the side of said outer shoe upper being attached directly to the bottom sole such that the outer shoe upper abuts at least a portion of the outer surface of the removable midsole section when said removable midsole section is inserted into the outer shoe; and

wherein said removable midsole section is removable from the outer shoe and insertable into said outer shoe through an opening in the outer shoe upper provided for entry and exit of an intended wearer's foot into and out of said outer shoe.

33. (New) An outer shoe as claimed in claim 32, wherein the at least two protrusions on the side of the removable midsole section are in abutting relationship with the bottom sole when the removable midsole section is inside the outer shoe, so that the protrusions occupy corresponding recesses in the bottom sole to thereby releasably retain said removable midsole section in said outer shoe.

34. (New) An outer shoe as claimed in claim 33, wherein a thickness of the removable midsole section tapers from a greater thickness measured at one said protrusion to a lesser thickness at a location on one side of said protrusion, as viewed in a horizontal plane when the removable midsole section is upright and in an unloaded condition.

35. (New) An outer shoe as claimed in claim 34, wherein at least one portion of the outer surface of a side of the removable midsole section is concavely rounded relative to an inner section of the removable midsole section adjacent to the concavely rounded outer surface portion, as viewed in a frontal plane cross-section when the removable midsole section is upright and in an unloaded condition.

36. (New) An outer shoe as claimed in claim 35, wherein at least one portion of an inner surface of a side of the removable midsole section is convexly rounded relative to a section of the removable midsole section adjacent to the convexly rounded inner surface portion, as viewed in a frontal plane cross-section when the removable midsole section is upright and in an unloaded condition.

37. (New) An outer shoe as claimed in claim 36, wherein each at least one convexly rounded inner surface portion and each at least one concavely rounded outer surface portion is located at a corresponding location on the removable midsole section to thereby form at least one of said protrusions.

38. (New) An outer shoe as claimed in claim 37, wherein each said protrusion is located at a location on the removable midsole section which corresponds to the position of at least one of the following parts of an intended wearer's foot when inside

the removable midsole section: a base of a calcaneus, a lateral tuberosity of the calcaneus, a head of a first distal phalange, a longitudinal arch, a head of a first metatarsal, a head of a fifth metatarsal, and a base of the fifth metatarsal.

39. (New) An outer shoe for receiving a removable midsole section which comprises:

an outer shoe upper and an outer shoe sole including at least a bottom sole;

at least a portion of the side of said outer shoe upper being attached directly to the bottom sole such that the outer shoe upper abuts at least a portion of the outer surface of the removable midsole section when said removable midsole section is inserted into the outer shoe;

wherein said removable midsole section is removable from the outer shoe and insertable into said outer shoe through an opening in the outer shoe upper provided for entry and exit of an intended wearer's foot into and out of said outer shoe; and

at least two recesses in the bottom sole to thereby releasably retain said removable midsole section in said outer shoe.

40. (New) An outer shoe as claimed in claim 39, wherein the outer surface of the bottom sole further comprises a plurality of protrusions on at least one side of said bottom sole;

at least one portion of the outer surface of each said protrusion on said bottom sole is concavely rounded relative to an inner section of the bottom sole directly adjacent to the concavely rounded outer surface portion, as viewed in a frontal plane cross-section when the bottom sole is upright and in an unloaded condition; and

at least one portion of an inner surface of a side each said protrusion of said bottom sole is convexly rounded relative to a section of the bottom sole directly adjacent to the convexly rounded inner surface portion, as viewed in a frontal plane cross-section when the bottom sole is upright and in an unloaded condition.

41. (New) An outer shoe as claimed in claim 40, wherein said at least one said protrusion is located on the lateral side of the bottom sole and another of said protrusions is located on the medial side of the bottom sole.

42. (New) An outer shoe as claimed in claim 40, wherein each said protrusion is located at a location on the bottom sole which corresponds to the position of at least one of the following parts of an intended wearer's foot when inside the removable midsole section: a base of a calcaneus, a lateral tuberosity of the calcaneus, a head of a first distal phalange, a longitudinal arch, a head of a first metatarsal, a head of a fifth metatarsal, and a base of the fifth metatarsal.